IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

GIJSMAN et al

Atty. Ref.: 4662-123

Serial No. 10/563,378

Group: 4171

Filed: January 5, 2006

Examiner: Nguyen

For: HEAT STABLIZED MOLDING COMPOSITION

* * * * * * *

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

DECLARATION UNDER 37 CFR 1.131

Sir:

The undersigned, Pieter GIJSMAN and Wilhelmus Josephus Maria SOUR, hereby jointly declare and state that:

- We are the same individuals who are named coinventors of the subject matter disclosed and claimed in the above-identified application.
- The invention as claimed in the above-identified application was completed in The Netherlands, a World Trade Organization (WTO) country, prior to November 15, 2002.
- 3. As evidence of such prior invention, there are attached hereto date-redacted copies of laboratory records identified as Exhibits A and B that are maintained in the regular course of business by our employer, DSM, the owner of the subject application and the invention claimed therein. Relevant Dutch words in Exhibits A and B have been translated below into English by including the Dutch word in a parenthetical quote adjacent the English translation of the same. Furthermore, the events noted in Exhibit A and Exhibit B were conducted at our direction and under our control.
- 4. Exhibit A is a copy of relevant pages ("pagina") 1, 5 and 10 of Work Order Number ("Werkordernummer") 524891. As noted on numbered page 5 of Exhibit A, two

compositions were conceived within the scope of the claimed invention in the above-identified application as identified as Main Number ("Monsternummer") 524891006 and 524891007. Exhibit A also notes that a quantity ("Hoeveelheid") of 10 kg of each such composition was to be made.

 Compositions 524891006 and 524891007 are further described below with reference to the component identifiers employed in Exhibit A;

<u>Material</u>	524891006	524891007	Material Description
THE PRINT COLD STREET AND A PRINT COLD STREET AND A PRINT COLD STREET AND A PRINT OF PARTY AN	(wt.%)	(wt.%)	
k122	64.46	62.79	AKULON® polyamide-6 from DSM
pemza		1.67	MZA modified polyethylene
cs 173x 10c 4mm	30.00	30.00	Glass fibers
acrawax c	0.30	0.30	ACRAWAX® C N-N' Ethylene
			Bisstearamide lubricant/release
	,		agent from Lonza Inc.
iodide stabilizer 201	0.24	0.24	Copper iodide/potassium iodide in a
			stearate (80/10/10) from CIBA
			(Switzerland)
sheifplus o2-2400	5.00	5.00	SHELFPLUS® 02-2400 from CIBA
			(Switzerland) - Masterbatch of ca.
			20wt.% a-Fe, 15wt.% NaCl and
	1		2.5wt.% Na ₂ H ₂ P ₂ O ₇ in polyethylene
المنافعة الم			(XRF analysis)

- 6. Numbered page 10 of Exhibit A confirms that each of the compositions 524891006 and 524891007 was actually made by injection molding ("Meetstaat Spuitgieten") using the respective conditions as specified under each composition number.
- 7. Exhibit B is a copy of a Laboratory Task ("Laboratoriumopdracht") report number 430490. Composition 7 under the Main ID Number ("monster nr.") column is identified as "30GF-PA6/Shelfplus (PE-iron) 5" and refers to a polyamide-6 composition containing 30 wt.% glass fibers and 5 wt.% SHELFPLUS® O2-2400 masterbatch of polyethylene and iron which is in fact composition 524891007 described in Exhibit A. Exhibit B further confirms that the compositions, including composition 524891007, were actually made and were physically subjected to conditions at "T = 185°C" under "O₂/air" with the counter ("teller") at 2766.

- 8. All of the events noted in Exhibit A and Exhibit B attached hereto were actually conducted and occurred in The Netherlands, a WTO country, prior to November 15, 2002. Exhibits A and B thus evidence that compositions within the scope of the claimed invention in the above-identified application were conceived and reduced to practice in a WTO country prior to November 15, 2002.
- 9. I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully Submitted

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17-02-2009	and the same of th
Date Signed	
	Pieter GIJSMAN
Augustus and a second control of the	The property of the control of the c
Date Signed	Wilhelmus Josephus Maria SOUR

MLW IUOG Werkorder: 524891 **** Werkorder Magic -

Voorblad

Werkordernummer . . :

Oxidatieve stabiliteit PA 1

524891

Subgrootboekcode. . : A524891

Betalerscode. . . :

Opdrachtgever . . . : Sour WJM

Telefoon nummer . . : Proces 61871 Extern

Afdeling. . . . : aanwezig DEP RET proces (j/n)

Compounderen

Spuitgieten

Drogen

Testen

Aanvraagdatum . . . :

Verwachte leverweek :

Geplande leverweek. :

Project/Fase nummer :

IVS nummer. . . . : P50034141

Prioriteit. . . . : 55

Klant : Product development

Landcode. :

DPP Afd. code : . . :

Omschrijving:

Met behulp van deze WO worden een aantal toevoegingen in PA6 en PA46 bekeken die zowel de chemische als physische veroudering tegengaan.

Verzendlijst:

Afdeling	Afdeling Naam		Naam		



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Sour WJM

Werkorder:

524891

Werkorder Magic

Samenstellingen in %/delen

	Monsternummer	524891001	524891002	524891003	524891004	524891005
	Naam	524891-01	524891-02	524891-03	524981-04	524981-05
	Extra	TW300	TW300+G21	K224-HG6	HG6+Arntel	HG6+MXD6
Materiaal [procenter]	Hoeveelheid [kg]	10	10	10	10	
arnitel p (weinig stab.)					10.9000	
gemalen ks300		9.2600	9.2600			1
ks300 .8040315		90.0000	70.0000			
k122			137	69.4600	59.4600	59.4600
pemza] 55.4600
lijnolie		-				
ad35						
cs 173x-10c 4mm				30.0000	30,0000	30.0000
acrawax c				03000	0.3000	1
kaliumjodide		0.6700	0.6700	0.23800	0.3000	0.3000
koperjodiđe		0.0700	0.0700			l
iodide stabiliser 201			2.0700	0.2400	0.5465	
shelfplus o2 - 2400				0.2400	0.2490	0.2400
peg4000						
sps8012pa				ŧ		
grivory g2I			20.0000			
mxd6			2.0.0000			
-		L	<u> </u>			10.0000

Totaal

100.0000

100.0000

100.0000

100.0000

100.0000

	Monsternummer Naam	524891006	524891007	524891008	524891009	524891010
		524891-06	524891-07	524891-08	524891-09	524891-10
Materiaal (procepter)		HG6+2400	HG62400+PE	HG6+PEG	HG6+SPS	HG6+lijnol
132000110011	Hoeveelheid [kg]	10	10	-10	10	5
arnitel p (weinig stab.)		•				
gemalen ks300						
ks300 8040315		1		l	ł	
k122		64.4600	62.7900	64.4600	59.4600	67.4600
pemza			1.6700			0,112000
lijnolie						2.0000
ad35						2.0000
cs 173x-10c 4mm		30.0000	30.0000	30.0000	30.0000	30.0000
acrawax c		0.3000	0.3000	0.3000	0.3000	0.3000
kaliumjodide			The second secon			0.3000
koperjodiće			ţ			
lodide stabiliser 201		0.2400	0.2400	0.2400	0.2400	0.2400
shelfplus o2 - 2400		50000	5.0000	3.2400	0.2400	0.2460
peg4000			3.000	5.0000		
sps8012pa				3.0000	10 0000	
grivory g21					10.0000	
mxd6						
Totaal		100.0000	100.0000	100,0000	100.0000	100.0000

Werkorder: 524891

***** Werkorder Magic

Meetstaat Spuitgieten

Activitelt: 1-eng75/690-00/690-01A

Monsternumme	r 524891006	524891007	524891008	524891009	524891010
Na	am 524891-06	524891~07	524891-08	524891-09	1
Grootheid [Eenheid] Samenstellin	g		324691-08	524891-09	524891-10
Machine [naam]	Engel 75	Engel 75	vervallen	Engel 75	
Uitvoerder [naam]	E.Martens	E.Martens	1,21,011,611	E.Martens	vervallen
Matrijs [nr]	690-01A	690-01A		690-01A	
Neus soort [type]	open	open		1	
Neuspunt diameter - lengte [mm - mm]	3.0-60	3.0-60		open 3.0~60	
Materiaalsoort [naam]	Akulon	Akulon			
Materiaaltype [naam]	_	_		Akulon	1
Lotnummer (nr)	6	7	1		
Kleur [-]	grijs	grijs	Ì	19	
Droogtijā [uur]	DAM	DAM		naturel	
Droogtemperatuur [øC]	-	-		DAM	
Soort stoof {maam}	<u> </u> _			1	İ
Pemp. zone 1 (intrek) [øC]	250	250		<u></u>	
Pemp. zone 2 [øC]	260	260		250	
Temp. zone 3 (øC)	270	270		260	
Pemp, zone 4 [øC]	280	1		270	
Pemp. zone neus [øC]	280	280		280	}
Doseerweg [mm]	71	280	ĺ	580	
Poerental [omw]	21%=106	71	<u> </u>	70	1
Stuwdruk [bar]	i	21%=106	į	21%=106	
Decompressie [mm]	7.2=75	7 -2=75		7 -2=75	
njectiesnelheid [mm/sec]	i	2		2	
njectiedruk [bar]	9*35+10	9*35+10		9*35+10	
mschklpnt(weg/tijd/Phydr/Pmatr) {keuze}	45.6	54.4		492	
adruk contactpunt [-]	weg	weg		weg	
adruktijd [sec]	11	2.3		11	Ì
adruk [bar]	1:5	15		15	
trstmp.inj.zde ing. (øC)	10*50	10*50		10*50	
trstmp.inj.zde gem. [@C]	83	83		83	
tratmp.sltzde ing. [øC]	}-	-		78	
trstmp.sltzde gem. [øC]	183	83		83	
oeltijd [sec]	 -	-		78	
njectietijd [sec]	20	20		20	
lasticeertijd [sec]	1.83	1.83		1.79	
	12.2	11.7		11.2	
auzetijd [sec]	0.5	0.5		0.5	
/clustijd (sed)	42.0	41.8	!	41.8	1
melttamp.gemeten (øC)	-	-		2.87	j
notgewicht [gram]	39.6	36.7		36.2	
affer (mm)	7.1	7.6		7.3	
chroefdiameter [mm]	. 25	25		25	
tum (Datum)	'		1	ا د.	1